

WHAT IS CLAIMED IS:

1           1. A Cu-based sintered alloy containing, by mass percent,  
2 Ni: about 5 to about 25%, P: about 0.1 to about 0.9%, and C: about  
3 1 to about 7%, with a fluororesin layer provided in its external  
4 surface.

1           2. The Cu-based sintered alloy according to Claim 1,  
2 wherein the fluororesin comprises tetrafluoroethylene resin,  
3 tetrafluoroethylene-perfluoroalkyl vinyl ether copolymer or  
4 tetrafluoroethylene-hexafluoropropylene copolymer.

1           3. The Cu-based sintered alloy according to claim 1,  
2 wherein the thickness of the fluororesin layer is about 1 to about  
3 40  $\mu\text{m}$ .

1           4. A bearing used for a motor for pure water, wherein the  
2 bearing is made of the Cu-based sintered alloy according to Claim  
3 1.

1           5. A method for producing a Cu-based sintered alloy,  
2 wherein fluororesin is impregnated in the Cu-based sintered  
3 alloy which contains, by mass percent, Ni: about 5 to about 25%,  
4 P: about 0.1 to about 0.9%, and C: about 1 to about 7%.

1           6. The method for producing the Cu-based sintered alloy  
2 according to Claim 5, wherein the open porosity of Cu-based  
3 sintered alloy before impregnation of fluororesin is about 2 to

4 about 30%.

1 7. The method for producing the Cu-based sintered alloy  
2 according to Claim 5, wherein the fluororesin comprises  
3 tetrafluoroethylene resin, tetrafluoroethylene-perfluoroalkyl  
4 vinyl ether copolymer or  
5 tetrafluoroethylene-hexafluoropropylene copolymer.

1 8. A bearing used for a motor for pure water, wherein the  
2 bearing is made of the Cu-based sintered alloy according to Claim  
3 5.

1 9. The method for producing the Cu-based sintered alloy  
2 according to Claim 6, wherein the fluororesin comprises  
3 tetrafluoroethylene resin, tetrafluoroethylene-perfluoroalkyl  
4 vinyl ether copolymer or  
5 tetrafluoroethylene-hexafluoropropylene copolymer.